ABSTRACT OF THE DISCLOSURE

An input device for improving man-machine interface, for use in connection with a data processing system such as a computer, is disclosed. The input device provides a more direct and natural relationship between the control movements of an operator and the output from the data processing system. The input device according to one embodiment of the present invention includes a fluid medium **20** sealed inside a chamber **10**, a control movement transmission mechanism **50** connected to the chamber **10**, a control data generating device **60** which monitors and converts the operation of the inflow and outflow control mechanism into electrical signals, a transmission circuit **70** for transmitting the signals output by the control data generating device **60** to a computer **100**, a fluid flow variable restriction device **40** able to variably control the volume of fluid flowing through the restrictor pipe **30**, and a receiver circuit **80** capable of driving the fluid flow variable restriction device **40** based on control response signals output from the computer **100**. The fluid medium **20** flows into and out of the chamber **10** through the restrictor pipe **30**. The mechanism operates in a manner as to control the fluid flow into and out of the chamber **10** through the restrictor pipe **30**. The fluid flow condition is generated by operator-induced volume changes in the chamber **10**.